UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

4955

7590

03/23/2007

WARE FRESSOLA VAN DER SLUYS & ADOLPHSON, LLP BRADFORD GREEN, BUILDING 5 755 MAIN STREET, P O BOX 224 MONROE, CT 06468

EXAMINER

BAYARD, EMMANUEL

ART UNIT PAPER NUMBER

2611

DATE MAILED: 03/23/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/025,119	12/19/2001	Ari Hamalainen	3865/0K109	5808	

TITLE OF INVENTION: METHOD FOR CHANNEL EQUALIZATION, A RECEIVER A CHANNEL EQUALIZER, AND A WIRELESS COMMUNICATION DEVICE

COMMONICATION DEVICE

Į	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1400	\$300	\$0	\$1700	06/25/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

				•			
INSTRUCTIONS: This appropriate. All further cindicated unless correcte maintenance fee notificat	form should be used correspondence including below or directed of ions.	for transmitting the ISSU ng the Patent, advance on herwise in Block 1, by (a	JE FEE and PUBLICAT rders and notification of a) specifying a new corre	FION FEE (if requ maintenance fees v espondence address	ired). E vill be i ; and/or	Blocks 1 through 5 s mailed to the current (b) indicating a sep	should be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDE	NCE ADDRESS (Note: Use B	lock I for any change of address)	Fee	e(s) Transmittal. Th	is certif	icate cannot be used:	or domestic mailings of the for any other accompanying ent or formal drawing, must
4955	7590 03/23	3/2007	nav				
ADOLPHSON, I BRADFORD GF	REEN, BUILDING	5	I h Sta ado tra	ereby certify that that the tes Postal Service was dressed to the Mai	nis Fee(s with suf l Stop	of Mailing or Trans  Transmittal is being ficient postage for fir ISSUE FEE address  273-2885, on the control of the control o	g deposited with the United st class mail in an envelope above, or being facsimile
MONROE, CT 0	EET, P O BOX 224 6468	•					(Depositor's name)
morntoz, er o	0100						(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/025,119	12/19/2001		Ari Hamalainen			3865/0K109	5808
TITLE OF INVENTIO COMMUNICATION DE		CHANNEL EQUALIZA	ATION, A RECEIVER	A CHANNEL	EQUAL	IZER, AND A W	VIRELESS .
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0		\$1700	06/25/2007
EXAMI	NER	ART UNIT	CLASS-SUBCLASS	]			
BAYARD, EN	MMANUEL	2611	375-316000	_			
"Fee Address" indi	ondence address (or Cha /122) attached. cation (or "Fee Address"	inge of Correspondence	2. For printing on the (1) the names of up to agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be	o 3 registered pater ively, the firm (having as a agent) and the nam orneys or agents. If	nt attorn	era 2	
3. ASSIGNEE NAME AN PLEASE NOTE: Unle recordation as set forth (A) NAME OF ASSIG	ess an assignee is ident in 37 CFR 3.11. Comp			patent. If an assign assignment.			ocument has been filed for
Please check the appropria	ate assignee category or	categories (will not be pr	inted on the patent):	Individual Co	orporatio	on or other private gre	oup entity Government
	re submitted:  o small entity discount p of Copies	permitted)	D. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Depe	rd. Form PTO-2038	is atta	ched.	•
5. Change in Entity State	•	,					
	SMALL ENTITY statu		b. Applicant is no lor				
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than Office.	the applicant; a regi	stered a	ttorney or agent; or th	ne assignee or other party in
Authorized Signature _				Date			
Typed or printed name				Registration N	lo		
This collection of informa an application. Confidenti submitting the completed this form and/or suggestion	tion is required by 37 C ality is governed by 35 application form to the	FR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary then, should be sent to the	on is required to obtain or 1.14. This collection is es depending upon the indicate Chief Information Office	retain a benefit by t stimated to take 12 r vidual case. Any co	he publi ninutes omments	to complete, including on the amount of tinger of the amount of tinger of the ark Office IIS Deposit of the ark Office IIIS Deposit of the ark Office IIIIS Deposit of the ark Office IIIIS Deposit of the ark Office IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	d by the USPTO to process) ag gathering, preparing, and me you require to complete

Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



### UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,119	12/19/2001	Ari Hamalainen	3865/0K109	5808
4955	7590 03/23/2007		EXAM	INER
WARE FRESS	SOLA VAN DER SLU	YS &	BAYARD, E.	MMANUEL
ADOLPHSON,	LLP		ART UNIT	PAPER NUMBER
BRADFORD G	REEN, BUILDING 5		2611	·
755 MAIN STR	EET, P O BOX 224	DATE MAILED: 03/23/2007		
MONROE CT	06468			

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 669 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 669 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.